
Product Data Sheet

Product Name: MESDC1 Human
 Cat. No.: GP23914
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Mesoderm Development Candidate 1; MESDC1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMASGSAG KPTGEAASPA PASAIGGASS QPRKRLVSVC DHCKGKMLV ADLLLLSSEA RPVLFEGPAS SGAGAESFEQ CRDTIARTK GLSILTHDVQ SQLNMGRFGE AGDSLVELGD LVVSLTECSA HAAYLAAVAT PGAQPAQPGL VDRYRVTRCR HEVEQGC AVL RATPLADMTP QLLLEVSQGL SRNLKFLTDA CALASDKSRD RFSREQFKLG VKCMSTSASA LLACVREVKV APSELARSRC ALFSGPLVQA VSALVGFATE PQFLGRAAAV SAEGKAVQTA ILGGAMSVVS ACVLLTQCLR DLAQHPDGGA KMSDHRERLR NSACAVSEGC TLLSQALRER SSPRTLPPVN SNSVN.		
Formulation	The MESDC1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 10% glycerol and 1mM DTT.		

Introduction

Mesoderm development candidate 1 (MESDC1) is a member of the MESD family. MESDC1 is a 362 amino acid protein encoded by a gene which maps to human chromosome 15q25.1. MESDC1 serves as a chaperone for low-density lipoprotein receptor (LDLR) proteins in the ER, and specifically associates with Wnt signaling pathway coreceptors LRP5 and LRP6. MESDC1 is needed for proper LRP5/6 folding and maturation to the cell surface, which has a key role in Wnt signaling.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

MESDC1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 385 amino acids (1-362) and having a molecular mass of 40.1 kDa. MESDC1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA